



THE SCOPE



Lansing Civil Defense Repeater Association

centralmiarc.com

Serving Our Community Since 1921

lcdra.net

Field Day (QSO count on p 14)

On the weekend of June 28th and 29th, CMARC operated in Field Day 2014 from Rayner Park in Mason. Having had an intimate glimpse of the inner workings of what made Field Day possible in 2013, I have developed an appreciation for all the people and materials that must work in unison so that three HF stations, one VHF station, and one GOTA station can get and stay on the air for an entire day while VE testing, the CMARC picnic, and various visitors are welcomed and shown the digs ... in a public park on emergency power. It is truly a thing of beauty to see how so many people work together to make this unfold, and not just make it happen but have fun doing it! I should also mention that our facilities, food, and refreshments (let's not forget doughnuts and coffee either) came through donations from members and local businesses through the hard work of club members at a location generously provided by the City of Mason. It was a treat to not only have the Ingham County trailer, but the Seventh Day Adventist communications trailer as well, especially when the rains poured down. Contacts were made, new hams completed their license test, innovations were made, and cooperation prevailed. My hat is off to Ron Harger WD8BCS for keeping all of us straight and to every single person who helped make Field Day a success, in full knowledge that not everyone who helped was able to make it out to Rayner Park – without everyone it would not have been the event that shows the world what CMARC is about! I am just glad to have been able to participate and enjoy Field Day 2014 ... 11 months and counting until Field Day 2015! CQ CQ de W8MAA W8MAA QRZ? ... um, I mean 73 de WX8MOJ



Panorama of Field Day 2014 - Dan Ruger/KD8OIB



**THE JULY LCDRA MEETING HAS BEEN CANCELLED.
THE NEXT MEETING WILL BE HELD OCTOBER 16, 2014**

Scoping out **THE SCOPE**

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MEETING SCHEDULE

GROUP	CMARC 	ARPSC 	LCDRA 
DATE	07/11/14	07/21/14	10/16/14 (JULY MEETING CANCELLED)
TIME	7:00 P.M.	7:00 P.M.	7:00 P.M.
LOCATION	SALVATION ARMY	MASON EOC	FIRE STATION # 8
WEBSITE	WWW.CENTRALMIARC.COM/	WWW.LANSINGARPSC.COM/	WWW.LCDRA.NET/

July

Birthdays

7/03 WILLIAM TORRENCE/KC8ALL
712 NICK LISTERMAN
7/14 BILL COTE'/WD8NYW
7/17 CARL CANFIELD/K8YHH
7/26 DAVID BRYSON/KD8WBR
7/30 DOUGLAS GOODRICH/N8ECL

Anniversaries

7/03 JERRY/KD8GLN & SHARON/KD8HHK WAITE
7/10 TOM/KB8J & CHERYL/KD8QFE DAVAGE

August

Birthdays

8/01 CHARLES STAHL/N8DWI
8/02 DAN CAMERON/KD8QFB
8/03 JOSEPH DENOMME/N8VYS
8/08 JOHN TYREE/KD6KCX
8/09 DAN STOCKWELL/KD8YVA
8/14 SAM FITZGERALD/N8FPR
8/17 JOHN STRONG/AC8ML
8/21 DAVE HAYHURST/K8QH

Anniversaries

8/10 WILLIAM WING/W2PMH
8/11 DON/KB8RAD AND JULIE/KB8ZXR McLAIN
8/14 JOHN/KC8QZB AND JANE/KC8FSK HOSFORD
8/22 DAN FULLER/W8VVR
8/26 DON/WB8NUS AND MARY TILLITSON

CMARC 2014 "OUTDOOR" HAMFEST

Be sure to mark Saturday, **July 26th** on your calendars for the Central Michigan Amateur Radio Club's 2014 "OUTDOOR" HAMFEST!! It will be a great time for Ham Radio, Computer, and Electronic equipment enthusiasts and their families! Once again, it's going to be held at the Holt Christian Church located at 2424 S. Washington Road in Lansing, Michigan from 8am-1pm (Vendor set-up at 6am). Admission is only \$3.00 per person, with kids 15 years and under getting in FREE! There will be VE testing available (starting at 11am with walk-ins welcome), a Special Event Station (K8H), a forum on Digital Communications, and a GOTA station. We have a lot of great prizes this year, as well, with our Grand Prize being a Yaesu FT-60R Dual-Band HT! We'll also have lots of good FOOD hot-off-the-grill and plenty of cold drinks! And don't forget to stop by the ARRL table and visit with Larry Camp/WB8R, our Michigan Section Manager! Everyone please be sure to come out and visit the CMARC 2014 "OUTDOOR" HAMFEST!! "We have everything, but the ROOF!!"

For any questions about the Hamfest, please contact Julie McLain/KB8ZXR at (517) 694-0812 or KB8ZXR@aol.com, or you can always visit our Club website at www.centralmiarc.com to download a colorful flyer!

What's My Sign?

By: Julie McLain KB8ZXR

I was born as the "middle child" of our family on May 11, 1949 in Lansing Michigan, and I have three sisters and one brother. My parents certainly had their hands full with 5 children, but they also managed to work outside of our home! My father started out teaching math and then went on to being a Principal and then a Superintendent of Schools in a small town in Ohio. Then he and another man formed a consulting business in Lansing to help manufacturing companies with HR issues. He also taught at the GM Institute. My mother was a teacher and then became a stay-at-home mother. I grew up in Grand Rapids and went to Sigsbee School for kindergarten and then on to Ottawa Hills through the ninth grade. We had a very typical 50's childhood, and because we lived close to the school and Mom was always at home waiting for us, we were lucky enough to be able to go home for lunch. Then, in the 10th grade we moved to Ann Arbor where I attended Ann Arbor High School, graduating in 1976. I really enjoyed high school and did well in my studies, but what made it a little hard on me was having a graduating class of 1,300—it sure didn't give me much of a chance to get to know very many of my fellow classmates!

After graduating from high school I went to Washtenaw Community College in Ann Arbor, where I graduated in 1969 with a degree in Automotive Technology and at the age of 19, I began Teaching. I got my Teaching Degree in Vocational Education in 1975 from the University of Michigan, and then went on to attend Graduate School through the 1970's. From 1969 to 1975, I served as Sergeant (E5) in the Michigan National Guard Army Signal Corps at the 156th Signal Battalion Company D in Ann Arbor. During my stint with the Guard I become a little more familiar with radio equipment as a result of our 2 week annual training exercises every year, where we were required to set up radio communications.

I met my wife-to-be, Susie Wolter, in Suttons Bay, Michigan and after I won her heart, we were married on September 23, 1988. We don't have any children, unless you count our adopted 4-footed "furry kids". Susie doesn't have her own Ham license yet, and she really never thought about getting one, but who knows...maybe one day that will all change. After teaching Automotive Service Technology at various levels for 40 years, and developing training programs for industry for 20 years, I'm now retired. In my spare time, in addition to my Ham radio hobby, I enjoy hunting, fishing, traveling and camping with my wife.

My love for radio began when I was only about 10 years old--that's about the time I built a shortwave radio from a Heath kit and started doing a lot of listening! Sure enough—I was hooked! I was also lucky enough to have a Ham Radio Operator right next door. He had a Novice license and would invite me into his shack, letting me transmit code at his station while he looked on. It was so exciting and that's all it took before I caught the bug!! But you know how it is, as a kid I just couldn't afford a Ham station of my own and so time passed and I found myself involved in the world of Citizen Band. I had CB radios in my cars, my truck, and my motor home and I also had Marine Band radios in my boats. Then, one day I met some Hams who helped get me interested in the Hobby again, and encouraged me to get my license. I finally decided I'd go for it, so in July of 2011, at a VE Exam Session being held at the Georgia Institute of Technology in Atlanta, Georgia, I took and passed my Technician exam. Now, just this past June, at the Central Michigan Amateur Radio Club's Field Day event, I upgraded and got my General license! It's only been a little over a year now since I first

became a Ham, and so far, I have loved every minute of it! Some of the things I have really enjoyed were CMARC's Field Day activities this past June and their 2012 Trunk Sales this past July.

My shack is set up in a spare bedroom in my home and consists of an Icom IC-735 All Mode Transceiver connected to an MFJ-949 Tuner and an MFJ-Dipole Antenna. A couple of months ago I bought a new Yaesu FT-1900R 2-meter radio which is connected to a home made J-Pole antenna that I can throw up wherever it's needed. In my truck, I have an Icom IC-2800H Dual-Band FM Transceiver that's connected to a mag mount Dual-Band antenna so I can keep in touch when I am out on the road. And just in case there's an emergency, I have my very first HT radio, a Yaesu VX-120. You can usually find me out on 2-meters, where I like to check-in to all the various Nets on the 145.39 repeater, and I have been getting a real kick out of EchoLink and HF. I've also been thinking that Slow-Scan TV sounds like something I could get interested in eventually, too. Currently I am a member of the Central Michigan Amateur Radio Club, and I'm also still a member of the West Georgia Amateur Radio Association, the first Radio Club I ever joined. They're the ones responsible for helping me to get interested in the Hobby and for helping me to get my license.

When asked if I had any comments that I'd like to share with the Club regarding this great Hobby, I replied, "I think that the folks involved in Amateur Radio are a great bunch of people to be associated with. Everyone I meet is just plain friendly. I met a guy named Mike on the radio the other night, and he was the nicest guy. We had a great conversation, and we even exchanged information with each other, that helped each of us solve problems that we had both been having with our stations. It really doesn't get much better than that! And something else, I was drawn to CMARC from the very first time I heard about it on the air. I accidentally came across the "Breakfast Club Net" one morning and didn't know what frequency it was on, so I searched for it and finally found it again, making it a point to contact the Net Control, Don McLain/KB8RAD so I could find out all about the Club. Even though I live quite a distance away, I attended my first meeting and was hooked from then on!

There, now that we have become a little better acquainted, "What's My Sign?" My Callsign is KK4DIY and my name is Gene Brown.

VE TESTING SESSIONS

Ingham County VE Group

Location: Ingham County Sheriff's Department, Mason

Contact: Don McLain/KB8RAD (517) 694-0812 KB8RAD@ARRL.NET

Thursday @ 7:00 p.m. August 7, October 2, December 4

Saturday @ 11:00 a.m. July 12, July 26 (@CMARC Outdoor Hamfest,) September 13, November 8th

Eaton Co. ARC

Location: Eaton Co Sheriff Dept-EOC, 1025 Independence Blvd. Charlotte, MI 48813

Contact: Mark Korroch(WB8TGY) (517) 645-2378 wb8tgy@yahoo.com

Saturday at 12:00 p.m. October 11, December 13

Corunna VE Team

Location: American Red Cross, 702 Corunna Ave, Corunna MI 48817-1230

Contact: Thomas Carpenter/KI8AS (989)277-2262 KI8AS@CHARTER.NET

Thursday@ 7:00 p.m. August 28, October 23, December 18



ARRL VEC

“ARRL PRACTICE AMATEUR RADIO EXAMS”

Sponsored by the “Ingham County VE Group”
VE Julie McLain KB8ZXR

- **Technician Class**

1.) Question T4A03 - Which is a good reason to use a regulated power supply for communications equipment?

- A. Power consumption is independent of load
- B. A regulated power supply has FCC approval
- C. A fuse or circuit breaker regulates the power
- D. It prevents voltage fluctuations from reaching sensitive circuits

2.) Question T5C07 - What is a usual name for electromagnetic waves that travel through space?

- A. Radio waves
- B. Pressure waves
- C. Sound waves
- D. Gravity waves

3.) Question T1C02 - Which of the following is a valid US amateur radio station call sign?

- A. W3ABC
- B. KDKA
- C. KMA3505
- D. 11Q1176

- **General Class**

1.) Question G1D04 - Which of the following is a requirement for administering a Technician Class operator examination?

- A. At least three VEC accredited General Class or higher VEs must be present
- B. At least two VEC accredited General Class or higher VEs must be present
- C. At least three VEs of Technician Class or higher must be present
- D. At least two General Class or higher VEs must be present, but only one need be VEC accredited

2.) Question G1C02 - What is the maximum transmitting power an amateur station may use on the 12 meter band?

- A. 200 watts PEP output
- B. An effective radiated power equivalent to 50 watts from a half-wave dipole
- C. 1500 PEP output, except for 200 watts PEP output in the Novice portion

D. 1500 watts PEP output

3.) Question G2E03 - What part of a data packet contains the routing and handling information?

- A. Footer
- B. Directory
- C. Preamble
- D. Header

• **Extra Class**

1.) Question E1D04 - What is an Earth station in the amateur satellite service?

- A. An amateur station within 50 km of the Earth's surface intended for communications with amateur stations by means of objects in space
- B. An amateur station that transmits telemetry consisting of measurement of upper atmosphere data from space
- C. Any amateur station on the surface of the Earth
- D. An amateur station that is not able to communicate using amateur satellites

2.) Question E3A05 - Which of the following describes a method of establishing EME contacts?

- A. Time synchronous transmissions with each station alternating
- B. High speed CW identification to avoid fading
- C. Storing and forwarding digital messages
- D. Judging optimum transmission times by monitoring beacons from the Moon

3.) Question E3C08 - What is the name of the high-angle wave in HF propagation that travels for some distance within the F2 region?

- A. Oblique-angle ray
- B. Pedersen ray
- C. Heaviside ray
- D. Ordinary ray

Questions and Answers Copied from ARRL's "Practice Amateur Radio Exams" found at:
<http://www.qrz.com/hamtest/>

ANSWERS Technician: 1-D; 2-A; 3-A General: 1-A; 2-D; 3-D Extra: 1-A; 2-A; 3-B
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July 2014

CMARC Meeting This Friday July 11th at 7pm: Proposed Bylaw Review + Vote

The proposed bylaws have been posted on the website's main page under the **Voting on proposed CMARC Bylaw changes is expected** link, and can also be found here:
<http://centralmiarc.com/docs/Revised%20By-Laws%20-%206-27-14%20CMARC.pdf>



JULY LADIES' DAYS

July 3rd - Sharon KD8HHK & Jerry KD8GLN Waite's 38th Anniversary!!
July 10th - Cheryl KD8QFE & Tom KA8KUF Davage's 49th Anniversary!!
July 24th - Jessica Seaver's B'day!!
July 30th - Jane Newton KC8HJQ's B'day!!
July 30th - Minnie Passmore KD8PAZ's B'day!!

JULY LADIES TEA TIME LUNCHEON

Every year we have a busy few months where we just can't get together for our "Ladies Tea Time Luncheon" and July is no different. In addition to our monthly CMARC meeting, we will have two VE Exam sessions this month, and the BIG EVENT...our 2014 CMARC "OUTDOOR" HAMFEST on Saturday, July 26th!



A LOT of volunteers are needed to pull off such a huge endeavor as this and I'm still looking for volunteers who are willing to help get the food ready in the kitchen and to sell it. I also need help cleaning up the kitchen and the two restrooms at the end of the day. If you are interested, please let me know.

It's NOT hard and you actually have a LOT of fun working with each other, as well as those attending the Hamfest!! The more volunteers I have, the easier and quicker everything will get done. As the saying goes, "Many hands make light work!" So, if you haven't already volunteered, please let me know that you're willing to help!!

Remember to watch for the date and location of our August "Ladies Tea Time Luncheon" by checking out our monthly Club newsletter, the "SCOPE", or our "Ladies Page" on the Club website www.centralmiarc.com/ladiesonly.php.



LADIES TEA TIME NET!

Please join me every Tuesday evening at 7 pm on the 145.39 (100 Hz PL) Lansing-area repeater for the "Ladies Tea Time Net". The Net can also be accessed via the EchoLink *DODROPIN* Conference Server (Node ID# 355800). The main goal of this Net is to get our Lady Hams out on the air each week, having fun as they visit together. And for those Ladies without a Ham license...you can still check in "Third Party", as long as your licensed husband or friend checks in first. Remember, we always look forward to having our Gentlemen join us for a fun time, too... AFTER the "Ladies Only" portion of the Net!! So, pour yourself a nice glass of iced tea, key up the mic and join me for the "Ladies Tea Time Net"... I'll be listening for you!!

~Julie McLain, KB8ZXR~

Ladies Tea Time Net & Luncheon Coordinator
(517) 694-0812 or KB8ZXR@aol.com
www.centralmiarc.com

[The following article was written by Gregg/WB8LZG back in 2004. Reprinted with permission. Thanks!]

Remembering Field Day

This year marks my 32nd Field Day. Wow, how time flies when your having fun! Field Day has always, been special to me because of the valuable experience gained by over-coming each new hurdle. But my special memories are of the times spent with good friends and the more experienced Hams who have helped me along the way. Many of the Hams I knew at past Field Days who are now Silent Keys. I would like to dedicate this article to my Elmers: Lyle Brooks (W8TIJ), Howard Hawkins (WB8IGU), John Huitt (K8DHN) and Bill Chapman (W8TJQ), with fond memories, 73.

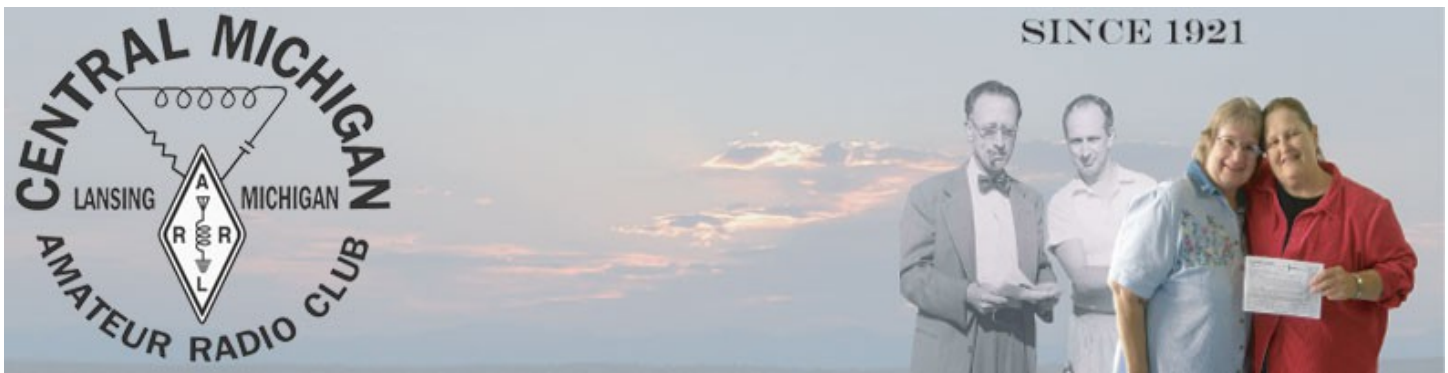
It was June 1973 that year. My first Field Day. I had joined Central Michigan Amateur Radio Club as new Novice earlier that year and was invited to come along and operate Field Day. Being only sixteen years old, my mode of transport was a small motorcycle. Having first secured permission from my Mom, I repaired a small ditty bag with some extra clothes and a sleeping bag, put on my helmet and headed out to the site. The Field Day that year was a large farmers field on Stoll Rd. just northwest of Lansing, Michigan Airport.

I pulled in to find about 40 people all bustling around setting up camp. Some were pitching tents, others were digging holes, and others were putting together antennas and tower sections. The club was 4 Alfa that year and the gang had erected two full sized towers with tri-banders and half a dozen or so other wire antennas. There was wire all over the place. It was an antenna farm dream come true! Being limited to just one dipole at home, it was too much for me to behold. All those wires in the air just waiting to capture some far-away signal. I was soon grabbed and instructed to pull on this rope. They made me feel like one of the bunch.

After antennas were in place I could hear some of the stations tuning and testing their equipment. We had time for a little lunch before the starting bell I heard Morse code and Donald Duck voices from four stations in all directions, all at the same time. I was mystified. All this teamwork ticking like a fine tuned Swiss watch. I visited each tent, one by one, grabbed an eyeful and an earful at every stop.

Early evening found in the Novice tent. Howard Hawkins, who was busy making contacts on a Heathkit HW-16. He showed me the ropes and answered some of my questions about Field Day QSO procedure. He helped me gain enough confidence to answer that first CQ. I was nervous and sending a few errors, but after my initial radio fright I managed to put one in the log. A smile came to my face as Howard and I looked at each other. I didn't make too many more contacts before turning it over to a more experienced operator but the QSO's I did put a spark in me I'll never forget.

~~ZZZZZZZZZZZZZZZZZZZZZZ~~-----Whew! What? Um. I must have dosed off a bit. I sat up in my chair trying to stay alert. I looked up at the clock: 3:30 in the morning June 2004. I answered a few more CQ's and put a few more in the log. I sorta like to work Field Day late shift but I can't stay up late as I used to when I was young. I gently turned the knob on the Icom fondly remembering the Heathkit grey knob on the trusty old HW-16 and mused to myself, 30 years of Field Days and still hooked.



CMARC BOARD MEETING

June 13, 2014

President Dan Beuchert/WX8MOJ called the meeting to order at 6:30 pm with the following board members in attendance: Vice President Don McLain/KB8RAD, Treasurer Jerry Waite/KD8GLN, Secretary Jane Hosford/KC8FSK, Director Sharon Waite/KD8HHK, Director John Doornhaag/KD8NNQ, Under 22 Director Matt Miller/KD8OOS.

Silent Keys

None.

Non-profit/Insurance/Bylaws update

Looking for a time to meet with the attorney.

W8MAA Trustee Transition

Need to make sure Bob/K8RDN has all necessary paperwork.

Checking Account Setup

Jerry/KD8GLN-savings for field day and Hamfest will be as follows:

- Field day will have a separate savings account starting with \$272.00 left over from last year.
- The Hamfest will stay on the regular checking account with seed money coming from the previous years profits.

ARRL Leadership Workshop/meetings

Waiting to hear back from Larry Camp/WB8R.

Tower Metal

Bob/K8RDN and Gregg/WB8LZG have been working on it.

Website Checkup (proposed changes by Tom/WA8WPI)

Working on the side bar lists.

Salvation Army Food Drive-best month:

- The Board decided that September will be the best month for the food drive.
- A list of needed items will be in the Scope and on the CMARC website.

Technician Class Update

Class has been going well with six to eight people per class.

Bounced emails

Have been provided to the appropriate people to get them taken care of.

Name Tags?

Jerry/KD8GLN will be buying the stick on name tags so everyone knows who everyone else is.

SCOPE

Need a new Scope editor as Dawn/KD8MWA would like to step down from that position.

Motion to adjourn made by Jerry/KD8GLN, seconded by Sharon/KD8HHK and approved.

Meeting adjourned at 7:05pm.

Respectfully submitted,
Jane Hosford/KC8FSK-Secretary

CMARC MEETING MINUTES

June 13, 2014

President Dan Beuchert/WX8MOJ called the meeting to order at 7:05 and welcomed both members and visitors attending tonight.

Silent key report:

None.

A moment of silence for our silent keys.

ATTENDANCE:

There were 46 people in attendance. Visitors included: Troy Creed/W8TCC, Mary Tillitson, Bill Madden/KD8WRQ, Andrew Wellwood, Ed Oxe/W8EO and Miss Abby Beuchert.

NEW LICENSES, UPGRADES and VANITY CALLS:

Debbie Headley/KD8YUX got her technician license. Congrats Debbie.

CARDS AND FLOWERS REPORT:

Get well cards were sent to Betty Hunsaker, Mike Manning/N8EUQ, Mrs. Ted Sadilek, Mrs Lowell Hoyland and Pastor Dan Cameron/KD8QBF.

A sympathy card was sent to the family of Charles McNease/N8CM.

INTERESTING DX CONTACTS:**OLD BUSINESS:**

- A motion to accept the May Secretary's Report as printed in the May SCOPE was made by Don/KB8RAD, seconded by Sharon/KD8HHK, and approved.
- A motion to accept the May Treasurer's report as printed in the May SCOPE was made by John/KC8QZB, seconded by John/KD8NNQ and approved.
- Tower climb prevention: Sheet metal has been donated and Bob/K8RDN and Gregg/WB8LZG have been working on it.
- Ziegenbein award winner: Jane Hosford/KC8FSK.
- MI QSO party prefix contest had 78 contacts.

By-laws update:

- Need to figure out a time to get together with the attorney.
- Get clarification about Under 22 Director. Keep it as a one-year term. Put in clause we can still operate without an Under 22 Director.
- Board elections: Half of the Board gets replaced every other year.
- Absentee voting: @ cmarcvoting@cmarc.com has to be received by midnight the night before the

voting.

- Formalizing election process for Board members. Have a three member election committee.
- Indemnity clause: If a Board member gets sued then the whole Club is being sued.

Please pay your dues

CMARC dues to Jerry/KD8GLN and LCDRA dues to Julie/KB8ZXR.

NOTE: IF YOU WISH TO HAVE YOUR ANNIVERSARY AND BIRTHDAY MENTIONED IN THE SCOPE PLEASE FILL OUT THE MEMBERSHIP FORM THAT'S IN THE SCOPE OR ONLINE.

NEW BUSINESS:

- Dawn/KD8MWA would like to step down from being the Scope editor. So a new editor is needed.

Salvation Army Food Drive:

- John/KD8NNQ made a motion to have the food drive in September, seconded by John/KD6KCX and approved. List of needs will be provided in the Scope.
- July 11th and 12th flea market antique radio club.
- VE testing in Charlotte tomorrow June 14th.

Volunteers are needed for upcoming events: (You can check these out on the ARPSC website)

- Komen Ride for the Cure in Mason on August 2nd
- St James Walk 5/10K August 10th
- Run for CHUM September 1st
- Women Working Wonders, September 7th
- Bike for Hospice and Hike for Hospice September 21st.
- Technician Class: Meeting on Tuesday nights in the Club room. Six to eight people per class.
- John/KC8QZB: Michigan Energy Fair, Friday and Saturday June 27-28th, 2014, Ingham County Fairgrounds, Mason, Michigan. For complete event information visit www.glrea.org \$10.00 per person to attend.

Hamfest (Julie/KB8ZXR)

- Spaces will be numbered.
- Special event station K8H 8-2pm-Mike Perez/N8OUN and Al Wright/KE8DR-QSL cards are available.
- **GOTA station:** Brian/KD8ONC and Andrew Wellwood.
- Julie/KB8ZXR is passing around a sign-up sheet for canopies. Please provide the size of them and the number of them that you can provide.
- **Ladies' table:** Jane Hosford/KC8FSK and Mary Tillitson.
- **Forum:** Matt Miller/KD8OOS
- Larry Camp/WB8R will be there.
- Grand prize is a Yazoo 60R dual band HT.
- VE testing at 11:00am.
- RF adapter guy
- Amsoil dealer
- Strongware by John Strong/AC8ML he makes mugs.
- Skywarn vehicles

Hamfest Needs:

- Volunteers to help with heavy lifting in kitchen
- Security people
- Ticket sales help
- Help directing vendors and visitors
- Someone to collect money from security
- Equipment for CW station

- Someone for talk-in on the 145.39 repeater. (Ron/WD8BCS has said he will help with that)

UNDER 22 REPORT:

Nothing to report.

50/50 DRAWING:

Shawn/WA8MXJ won \$25.50.

Motion to adjourn for break made by John/KD6KCX, seconded by John/KC8QZB and approved.

MAIN PROGRAM AND/OR SPEAKER:

Since Field Day is coming up Ron Harger/WD8BCS, field day chair, talked about field day.

- There will be two trailers: John/KC8QZB will be doing voice on HF1 and Matt/KD8OOS will be doing digital on HF2.
- Jim/KC8QWH and Ginny/KD8HPG have been doing fund raising.
- Shannon/WA2NVK is the food coordinator. She is providing a food sign-up sheet for the picnic @6:00 on the 27th and for the other meals.
- Will be using the EOC generator.
- The CW station will be in the other trailer. Gregg/WB8LZG will be the chair along with Chris/NS8Q.
- Dawn/KD8MWA will be the photographer.
- Jim/KA8DDQ and Don/KD8BD will be running the VHF station.
- Bill/WD8NYW is in charge of public information.
- Bob/K8RDN and Ron/WD8BCS will be handling safety.
- Brian/KD8ONC will be chairing the GOTA station.
- Randy/KD8MOK will be the site supervisor.
- Operators are needed.

With all business concluded, the meeting was adjourned at 8:55 pm.

Respectfully submitted,
Jane Hosford/KC8FSK-Secretary

June 2014 Treasurer's Report	
Primary Share Acct. (Humphreys Fund)	\$1090.68
Business Checking	\$2940.08
Net Worth	\$4565.18
Youth Fund Balance* (as of 04/2013)	\$253.32
Building Fund (Club Station)	\$9.09
Field Day	\$272.01
<i>separate from CMARC Funds</i>	
Submitted, <i>Jerry Waite/KD8GLN - CMARC Treasurer</i>	



MO' POWER

by Bob Tail

A monthly column of hints, helps and humor, designed to aid new and (not so new) Amateur Radio Operators

MO POWER-June 2014

G'Day Mates!

Just got back from me local ham gathering, and the speaker was quite interesting. Had a chap there who had worked 300 countries, all with low power, or QRP as the low power ops call it. Quite impressive for only 5 watts with any aerial, yet this gent did it with all homebrew gear and wire antennas! Sure, he was retired and had plenty of time to devote to chasing DX, and yes it took nearly a decade of listening to "work em", yet this is a fine example of what can be done with low power. It is also illuminating to the budding DX chaser out there who is in need of some inspiration. Nil and Ned enjoyed his wit and wisdom as much as I did.

It illustrates that one does not need a Kilowatt and stacked Yagi Uda's at 40 metres to achieve DXCC. The 1st "rule of thumb" is, that POWER is no substitute for SKILL. I've heard many a QRPer "bust a pileup" of KW's with a bit a perseverance and cleverness. Little tricks, such as "tail ending" will often get a good operator "in the log".

The 2nd "rule of thumb" is, you have to hear em to work em. If you can't hear em you need to improve your aerial. Better aerial, equals more DX. It's just that simple.

After the meeting was adjourned, I overheard a few locals lamenting that they wished they could "work DXCC", but that their antennas were not up high enough. Another exclaimed that his antenna just didn't seem to play as well as he had envisioned when first erected. Ned asked the bunch, "Why they didn't attempt to improve on their antennas, or put them up higher in the air?" "There was some mumbling and grumbling about how much work it was going to take, and was it worth the effort. Nil Current piped in with some words of wisdom of her own. "in a dipole aerial it is the feed point or point of the highest current that does most of the radiating. So it was important to get that center point as high in the air as possible where it can do the most good. Ned Novice, being a good sort, even volunteered to help with some of the "line launching and tree climbing". One gent was quick to take Ned up on his kind offer, and they made plans for the upcoming week.

Yet there were a couple gents that although they would admit their antennas could be higher, they were content to leave well enough alone. When asked why, they replied, "to much work".

Here's where I took Ned and Nil aside. I explained that there are some hams who are not inclined to find a better solution. Just as in our society, there are those who are DOER's and those who just watch. Best to spend time with the hams who are dedicated to improvement. Be it in antennas or your job or just about anything. Those who roll up their sleeves and get to it, will always win over those who stand around waiting for someone else to do it.

I smiled to myself as the kids were leaving. They were both talking about how they could improve their own antennas. This is the true ham spirit! Sure glad there are some innovators left in the hobby. Every time I think I've seen and heard it all, something new and exciting is invented and used by hams. Will it be your time to shine? We will peek in on Ned and Nil next time to see if they come up with any real ideas for their antenna farms. Till then remember, if you can't hear em, you need a better antenna.

73, Bob Tail

**Items needed by the Salvation Army
for
CMARC's September Food Drive**

- Canned Beans
- Canned meat
- Canned Soups
- Canned Tomatoes
- Canned Potatoes
- Canned Fruits
- Dry Beans
- Dry Pasta
- Dry Dinner Sides
- Dry Rice
- Spaghetti Sauce
- Cereal
- Peanut butter
- Jelly
- Instant Mashed Potatoes

Note: We have plenty of canned Veggies so please choose another item-Thank you

Field Day Scores as submitted (Thanks Ron Harger WD8BCS for the numbers!):

CW: 496

SSB: 194

Digital: 100

VHF: 9

GOTA: 19

Total of 818 QSO's overall, down from last years total of 912.

2014 CMARC "OUTDOOR" HAMFEST

(We've got EVERYTHING but the ROOF!!)



ARRL
Sanctioned

Sponsored by the
Central Michigan Amateur Radio Club

Saturday, July 26, 2014

8:00 AM to 1:00 PM

(Setup Saturday 6-8AM)

at the

Holt Christian Church

2424 S. Washington Rd.

Lansing, MI 48911-7207



Talk-in 145.390
(100Hz PL)

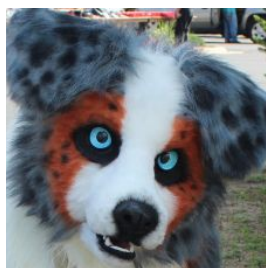
ADMISSION: Public = \$3.00 each, Kids 15 and under FREE!! (Handicap Accessible!!)

Vendors/Sellers = \$3.00 each (includes 1 trunk space). Additional spaces \$5.00 each. RSVP today to secure the number of spaces you need! Also, please remember to bring your own tables, chairs, and canopies. (We have a limited number of tables and canopies available for rental so RSVP early if you need them!!)

For Reservations or Questions contact Julie McLain KB8ZXR (517.694.0812 or KB8ZXR@aol.com)



DON'T FORGET to enjoy a Sweet Roll and Coffee--then later on grab a Sloppy Joe or a Hot Dog/Brat "Hot Off The Grill" with all your favorite trimmings!!



"TYCHO AUSSIE"

"RF ADAPTER GUY"
will be here, offering RF connectors, adapters, antennas & accessories for your Ham, Commercial, GMRS or CB needs.

Along with our returning

"AMSOIL"
Independent Dealer

And then there's our

"K8H"
SPECIAL EVENT STATION!!
From 8am to 2pm (1200 UTC to 1800 UTC) on Saturday, July 26, 2014. Frequencies are: 14.260 HF and 145.00 VHF (simplex). QSL



VE TESTING at 11am.
Sponsored by the "Ingham County VE Group". Walk-ins are Welcome!!



"StrongWare"
Custom Callsign Mugs
made-to-order

CMARC's 6' 3" Mascot will
be back again this year!!

cards available.

while you wait!!

DOOR PRIZES!!

We will have hourly
prizes with our GRAND
prize being a Yaesu FT-
60R Dual-Band HT
drawn at 1pm!!

FORUM

"Message Handling via IP
Networks" (Broadband-
Hamnet™ & DMR Radios);
also time for Q&A
(9am-10:30am)

ARRL's LARRY CAMP

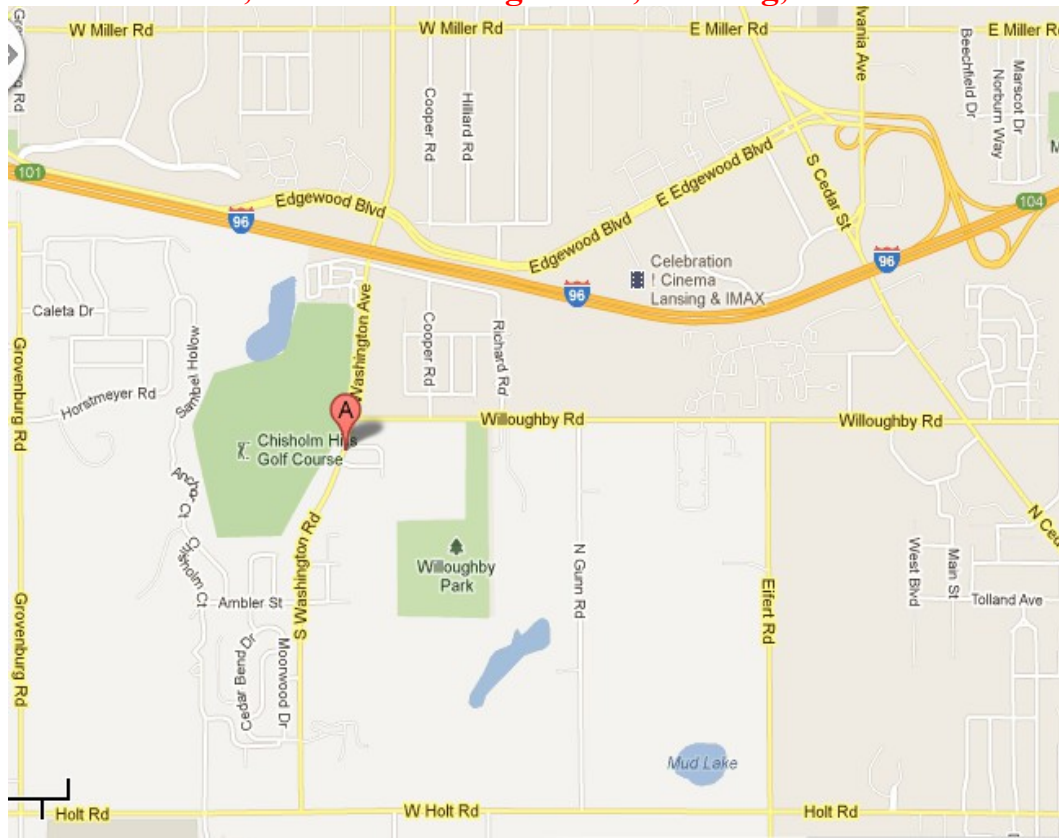
WB8R

Michigan Section Manager
Great Lakes Division

G.O.T.A. STATION

Don't have a license? Come
Get On The Air with the Youth
of CMARC!!

Holt Christian Church, 2424 S. Washington Rd, Lansing, Talk-in 145.39-100Hz PL



COME OUT AND JOIN US FOR THIS YEAR'S "OUTDOOR" HAMFEST!!

COME "RAIN OR SHINE" WE GUARANTEE YOU'LL HAVE A GREAT TIME!!



Lansing Area/Ingham County Amateur Radio Public Service Corps



ARPSC Meeting Minutes Monday June 16, 2014

Background Checks – Get the paperwork in if you haven't in the last year (found [HERE](#)). These can be dropped off at Fire Station 8 to Barb Hamilton, Rhonda Oberlin, or get it to Jim Hannahs.

ATV Kits – The kits are all set and groomed for Common Ground.

Common Ground – July 8 through 13 – Tuesday is expected to be the biggest crowd (biggest pre-sale). There was talk about looking into using the new cameras at common ground with IP and directional antennas, possibly with mesh network (depending on the arrival of mounting devices).

Field Day – June 28 thru 29 – News Release was sent out to weekly news places in the area, with TV stations and daily publications will be set out. Field Day went off successfully with a visit from WLNS.

Volunteer Picnic – August 17 – The timing is still being worked out, but it will be held behind Fire Station #8. The idea is for attendees to bring a dish to pass, with hot-dogs and burgers being supplied.

J Pole Class: Carl and Bob will hold a class on how to build a J Pole antenna at Lansing Fire Station 4 Miller Between Penn and Aurelius. Materials for \$20 – capitolareacert.org.

August 4 – Net Control and Training are needed for this ARPSC Training Net. Contact Don McLain (KB8RAD) if you are interested.

Skywarn – Current plans for Tornado Siren activation are for Skywarn Net Control to activate sirens if the 911 center cannot.

Upcoming Service Events:

August 2 – Komen Mid-Michigan Ride for the Cure. Location: Mason, MI and through Ingham County. Those interested in helping out (sounds thus far like SAG wagon support mainly) contact Daniel Beuchert at wx8moj@arrl.net (ruskirebel@hotmail.com). More details to come.

August 8 – St. James 5/8K. Location: Mason, MI. Those interested in helping out should contact Jeremiah Sevrey at kc8eia@gmail.com.

September 1 – Run for Chum. Location: Dansville, MI. Those interested in helping out should contact John Tyree at jtyree@me.com.

September 7 – Women Working Wonders 5K has been canceled.

September 21 – Bike / Hike for Hospice. More information to come. Those interested in helping out should contact John Tyree at jtyree@me.com for the Bike route, and Don Tillitson at wb8nus@arrl.net for the Hike route.

NETS in the Greater Lansing Area

"The Breakfast Club Net" meets EVERY weekday morning from 7am to 11am on the 145.39 repeater (PL 100 Hz), with Net Coordinator Don McLain/KB8RAD. This Net has been around now for over FOUR YEARS (since September 24, 2009) and averages around 90-100 check-ins per morning, but the NEW all-time record is 118 people in one morning's Net (and that's NOT counting rechecks)! So, if YOU are getting bored with just listening to Broadcast Radio during the morning commute, come and see what all the commotion's about—join Don and the rest of the gang every weekday morning on "The Breakfast Club Net"! They'll not only wake you up—they'll put a smile on your face, too! And thanks to Daniel Burk/NE8K, EchoLink is now available each morning via the *DODROPIN* Conference Server (ID# 355800), so it's never been easier to check in and join the fun! Whether you're somewhere throughout the United States (or world), or right here in the mid-Michigan area, you can now check in by repeater, your computer, your cellphone or other EchoLink device—at your convenience! So, stop by in the morning and say, "Hello!"...and while you're at it, why not join "The Breakfast Club Net" Facebook Group! They are already 353 members strong and would love to have YOU join them, too! www.facebook.com/groups/112208875498362

The **"Central Michigan Slow Scan TV Net"** meets every Sunday evening from 7:00- 8:30pm on the 145.39 repeater (PL 100 Hz), with Net Coordinator Carl Canfield/K8YHH. EVERYONE is welcome to join in and have fun learning and using this interesting and useful mode of communication. Other digital modes will be explored from time to time. For more information, call Carl at: (517) 755-6627.

The **"Lansing Area/Ingham County Amateur Radio Public Service Corps Training Net"** meets on the first Monday night of the month at 7pm on the 145.39 repeater (PL 100 Hz). Volunteer Net Control Operators are needed each month, as well as someone to provide Training, so if you are an ARPSC member and wish to sign up, contact Net Coordinator Don McLain/KB8RAD at (517) 694-0812.

The **"Ladies Tea Time Net"** meets every Tuesday evening at 7pm on the 145.39 repeater (PL 100 Hz), with Net Coordinator Julie McLain/KB8ZXR, and can now also be found on the *DODROPIN* EchoLink Conference Server (ID# 355800)! Everyone is welcome to check in—even all you guys!! This Net has been around now for SIX AND A HALF YEARS (since July 3, 2007), so let's keep it going and growing!!

The **"Quarter Century Wireless Association Net"** also meets every Tuesday night but at 8pm and on the 146.70 repeater (PL 107.2 Hz), with Net Coordinator Don Tillitson/WB8NUS. Be sure to stop by after Julie's Net and say "Hello!"

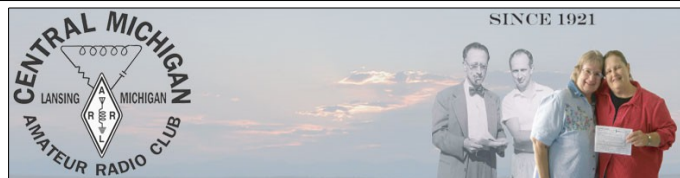
The **"Mid-Michigan Information & Trader's Net"** meets every Wednesday evening at 7:00pm on the 145.39 repeater (PL 100 Hz), with Net Coordinator Don McLain/KB8RAD. This Net has been around now for over FOUR YEARS (since November 11, 2009) and is still growing!! Be sure to join Don for a time of FUN, FELLOWSHIP, and INFORMATION!! There will be helpful Ham-related information to share from both Net Control and our check-ins, time for questions and answers, and "Trader's Net" style on-the-air swapping of Ham-related equipment throughout the Net. Sounds like a good time to me!!

The **"Michigan Radio Amateur Youth Net"** (or MRAY) meets every Thursday night at 7pm on the 145.39 repeater (PL 100 Hz), with Net Coordinator Matt Miller/KD8OOS or other area young people. In addition, EchoLink is available for the first hour of the Net by searching for "MRAY", or the *DODROPIN* Conference Server (ID# 355800). Although the Net specifically targets the Youth (who are the future of Ham Radio), ADULTS are welcome to check in, too!! Also, Third-Party check-ins are encouraged to join the Net as a way of introducing young people to the Hobby. So, EVERYONE be sure to check into the MRAY Net and show YOUR support for our youth!

**ALL are welcome on these nets,
so be sure to check in to show your support.
And as with all Nets, 3rd party check-ins are welcome,
but must have Control Operator present at check-in time.**

The CMARC & LCDRA Board

The SCOPE is published by the CENTRAL MICHIGAN AMATEUR RADIO CLUB in association with the LANSING CIVIL DEFENSE REPEATER ASSOCIATION.



Our CMARC Officers

President:	Daniel Beuchert-WX8MOJ	Ph: (517) 604-1379
Vice President:	Donald McLain-KB8RAD	Ph: (517) 694-0812
Secretary:	Jane Hosford-KC8FSK	
Treasurer:	Jerry Waite-KD8GLN	Ph: (517) 882-5406
Director:	John Doornhaag-KD8NNQ	
Director:	Sharon Waite-KD8HHK	Ph: (517) 882-5406
Under 22:	Matt Miller-KD8OOS	
Cards/Flowers:	Jane Hosford-KC8FSK	Ph: (517) 648-8240
Photographer:		
Club Contact:	Donald McLain-KB8RAD	Ph: (517) 694-0812
Building Coord.:	Dan Beuchert-WX8MOJ	Ph: (517) 604-1379
QSL/ Awards Mgr:	Don DeFeyer-KC8CY	Ph: (517) 641-4533
Scope Editors:	Dawn Beuchert-KD8MWA & Dan Beuchert-WX8MOJ	

****email address: cmarcscope@hotmail.com ****
Deadline for SCOPE: 20th. of month

**Meetings are held the second Friday of every month at:
Salvation Army-Capital Area, 701 W. Jolly Road, Lansing
at 7:00pm. Board Meeting begins at 6:30 pm.
Club Calls: W8MAA & W8PLP**



Our LCDRA Officers

President:	John Imeson- N8JI	Ph: (517) 449-1517
Vice Pres:	Don Tillitson-WB8NUS	Ph: (517) 321-2004
Secretary:	Ron Harger- WD8BCS	wd8bcs@arrl.net
Director:	Jan Bradfield- KC8BFBK	Ph: (517) 202-1779
Director:	Donald McLain-KB8RAD	Ph: (517) 694-0812
Director:	Jim Harvey-KA8DDQ	Ph: (517) 882-5796
Tres./Mem. Ch:	Jeff Oberg-KB8SXX	Ph: (517) 712-1302
Repeater Trustee:	Dennis Boone-KB8ZQZ	email: drb@msu.edu

LCDRA Call: W8BCI

**Meetings: Quarterly on the third
Thursday of the month, beginning at
7:00pm. Meetings are held at
Fire Station #8, Marshall St, Lansing**

Show Your Support for Amateur Radio and Join CMARC & LCDRA Today!



JOIN TODAY!

Central Michigan Amateur
Radio Club, Inc.

As a licensed Amateur, you can **sign up today** as a Full Member. As a Full Member of CMARC, you will receive voting rights and an annual subscription to 'The SCOPE'.

This newsletter is filled with Club News, special interests and events.

Sign up today as an Associate Member and it includes an annual subscription to 'The SCOPE'. (no voting rights as an Associate Member)

New licensees are now eligible for a *one FREE year membership* at CMARC and **Under 18** licensees are *eligible for FREE membership!*

JOIN TODAY!



Lansing Civil Defense
Repeater Association

Any Licensed Amateur can become a member of LCDRA for ONLY \$15 a year! Just sign up today and as a member, you'll receive an annual subscription to "The SCOPE", as well as, voting rights in the Association. All Hams under 18 yrs. are *eligible for FREE membership!*

LCDRA owns, operates and maintains four Lansing Area repeaters, and while use of the repeaters does NOT require membership in LCDRA or CMARC, your support is **very appreciated!!**

Name _____ Callsign _____

Address _____ City _____ State _____

ZIP _____ Phone _____ Lic. Class _____

ARRL Member? _____ Birthday _____ Wedding Anniversary _____

Year 1st Licensed _____ Please supply email for SCOPE mailing _____

Full ☐ Associate ☐ New Licensee (1 yr free) ☐ Under 18 (free) ☐

Full Membership \$15 per calendar year
(must be a licensed Amateur to obtain a Full Membership)
Associate Membership \$5 per calendar year.

Please make your checks payable to "CMARC" and mail to:

Jerry Waite KD8GLN
2816 Cabot Dr
Lansing MI 48911

Name _____ Callsign _____

Address _____ City _____ State _____

ZIP _____ Phone _____ Lic. Class _____

ARRL Member? _____ Birthday _____ Wedding Anniversary _____

Year 1st Licensed _____ Please supply email for SCOPE mailing _____

Membership in LCDRA is \$15.00 per calendar year
(Add a family member for only \$7.50 per person, per year.)
LCDRA maintains our four local repeaters
and your support is greatly appreciated!!
(Membership is not required to use our repeaters.)

Please make your checks payable to "LCDRA" And mail to:

Julie McLain KB8ZXR
4444 Sycamore St. #1Holt, MI 48842

Central Michigan Amateur Radio Club
P.O. BOX 27321
Lansing, MI 48909-7321



Central Michigan Amateur Radio Club

THE SCOPE

Lansing Civil Defense Repeater Association



centralmiarc.com

Serving Our Community Since 1921

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